

ENCOR - Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR - 350-401)

Overview

The Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) v1.0 course gives you the knowledge and skills needed to configure, troubleshoot, and manage enterprise wired and wireless networks. You'll also learn to implement security principles within an enterprise network and how to overlay network design by using solutions such as SD-Access and SD-WAN.

Course Objectives

After completing the course you will be able to do the following :

- Configure, troubleshoot, and manage enterprise wired and wireless networks
- Implement security principles within an enterprise network
- Prepare to take the 350-401 Implementing Cisco Enterprise Network Core Technologies (ENCOR) exam Course Outline

Duration

5 Days

Who Should Attend

- Mid-level network engineers
- Network administrators
- Network support technicians
- Help desk technicians

Prerequisites

- Knowledge and skills you should have before attending this course:
- Implementation of Enterprise LAN networks
- Basic understanding of Enterprise routing and wireless connectivity
- Basic understanding of Python scripting

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Course Topics

Module 1	Examining Cisco Enterprise Network Architecture
Module 2	Understanding Cisco Switching Paths
Module 3	Implementing Campus Lan Connectivity
Module 4	Building Redundant Switched Topology
Module 5	Implementing Layer 2 Port Aggregation
Module 6	Understanding Eigrp
Module 7	Implementing Ospf
Module 8	Optimizing Ospf
Module 9	Exploring Ebgp
Module 10	Implementing Network Redundancy
Module 11	Implementing Nat
Module 12	Introducing Virtualization Protocols And Techniques
Module 13	Understanding Virtual Private Networks And Interfaces
Module 14	Understanding Wireless Principles
Module 15	Examining Wireless Deployment Options
Module 16	Understanding Wireless Roaming And Location Services
Module 17	Examining Wireless Ap Operation
Module 18	Examining Wireless Ap Operation
Module 19	Understanding Wireless Client Authentication

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Module 20	Troubleshooting Wireless Client Connectivity
Module 21	Introducing Multicast Protocols
Module 21	Introducing Qos
Module 22	Implementing Network Services
Module 23	Using Network Analysis Tools
Module 24	Implementing Infrastructure Security
Module 25	Implementing Secure Access Control
Module 26	Understanding Enterprise Network Security Architecture
Module 27	Exploring Automation And Assurance Using Cisco Dna Center
Module 28	Examining The Cisco Sd-Access Solution
Module 29	Understanding The Working Principles Of The Cisco Sd-Wan Solution
Module 30	Understanding The Basics Of Python Programming
Module 31	Introducing Network Programmability Protocols
Module 32	Introducing Apis In Cisco Dna Center And Vmanage